

ABSTRACTImprovements in Coating Glass

A process for the production of a coated substrate, preferably glass, comprising depositing a reflective metal, especially a silver, layer by a low pressure deposition process performed in a coating atmosphere that contains a gaseous oxygen scavenger. The presence of the gaseous oxygen scavenger alleviates oxidation of the silver layer by any oxygen gas present in the coating atmosphere. The gaseous oxygen scavenger may be a hydrocarbon and is preferably methane. The coating process is preferably sputtering.